

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: October 21, 2003, 09:31:32 : Search time 0.001 Seconds
(without alignments)
668.648 Million cell updates/sec

Title: us-09-590-991-6
Perfect score: 2931
Sequence: 1 YPVVLADRTSSSEDALINISDK.....FGKNIKSTLVNINIGKSTYGY 664

Scoring table: PAM150
Gapop 10.0 , Gapext 0.5

Searched: 1 seqs, 1007 residues

Total number of hits satisfying chosen parameters: 1

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1 summaries

Database : aaw61246.genesegp1990s:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query Match	Length	ID	Description
1	2783	95.0	1007 1 AAW61246	Streptococcus pneu

ALIGNMENTS

RESULT 1
AAW61246
ID AAW61246 standard; Protein; 1007 AA.
AC AAW61246;
XX 02-OCT-1998 (first entry)
DT Streptococcus pneumoniae SPI22 protein.
XX Streptococcus pneumoniae; antigen; vaccine; infection; diagnosis;
KM detection; pneumonia; otitis media; meningitis.
XX Streptococcus pneumoniae.
OS
XX MO9818930-A2.
PN
XX 07-MAY-1998.
PD
XX 30-OCT-1997; 97WO-US19422.
PF
XX 31-OCT-1996; 96OS-0029960.
PR
XX (HUMA-) HUMAN GENOME SCI INC.
PA
XX
PI Chol GH, Hromockyj A, Johnson LS, Kunsch CA;

DR	WPI: 1998-272224/24.
DR	N-PSDB: AAV27431.
XX	
PT	Nucleic acid encoding antigenic peptide(s) from Streptococcus
PT	pneumoniae - or their epitope-containing fragments, useful in
PT	protective or therapeutic vaccines, and for diagnosis
XX	
PS	Claim 11: Page 92-93: 118pp: English.
XX	
CC	The present sequence represents a protein from Streptococcus pneumoniae.
CC	The nucleic acid sequence encoding the Streptococcus pneumoniae protein
CC	can be useful in vaccines for inducing protective antibodies against
CC	Streptococcus pneumoniae, for treatment or prevention of infection e.g.
CC	pneumonia, otitis media or meningitis. Probes based on the nucleic acid
CC	are used to detect Streptococcus infection (by usual hybridisation or
CC	amplification methods), also for isolating Streptococcus genes or their
CC	allelic variants. The protein can be used similarly to detect specific
CC	antibodies in standard immunoassays, especially for diagnosing or
CC	monitoring infections. Antibodies which bind the protein are used to
CC	detect corresponding antigens, to purify the protein and for passive
CC	immunisation (optionally coupled to a toxin). Vaccines are administered,
CC	e.g. by injection, orally or through the skin, typically at 0.01-1000
CC	(especially 10-300) mu g/ml per dose.
XX	
SQ	Sequence 1007 AA:
Query Match	95.0%: Score 2783; DB 1: Length 1007;
Best Local Similarity	100.0%: Pred. No. 0;
Matches 627; Conservative 0; Mismatches 0; Indels 0; Gaps 0;	
QY	38 ETSODFEKKKTAIVIREKEVSNKPNVINDNTSNEAKIKENSNSGSDTDSFVNKNTEN 97
DB	1 ETSODFEKKKTAIVIREKEVSNKPNVINDNTSNEAKIKENSNSGSDTDSFVNKNTEN 60
QY	98 PKKEDKVVYIAEFKDESEKAIKELSLKNTKVTYDRIFNGSAIETTPNDLKIKOI 157
DB	61 PKKEDKVVYIAEFKDESEKAIKELSLKNTKVTYDRIFNGSAIETTPNDLKIKOI 120
QY	158 EGSSISVERAKQKOPMNNHARKKEIGVEALIDYLSKNAPGKNPDGGMVINSIDTQDTR 217
DB	121 EGSSISVERAKQKOPMNNHARKKEIGVEALIDYLSKNAPGKNPDGGMVINSIDTQDTR 180
QY	218 HKAMRIDDDAKASMRKEDLKTOKNMYLSDKIPHAIFYNGKITTVEKYDGRDPDP 277
DB	181 HKAMRIDDDAKASMRKEDLKTOKNMYLSDKIPHAIFYNGKITTVEKYDGRDPDP 240
QY	278 HGMHLAGLIGNDTEODIKNFNGIDGIAFNAOIFSYKMYSDAGSGFAGDETFHAIEDSI 337
DB	241 HGMHLAGLIGNDTEODIKNFNGIDGIAFNAOIFSYKMYSDAGSGFAGDETFHAIEDSI 300
QY	338 KHNVDVSVSSGFTGLGVEKYWQIRALRRAGIPMVVATGNTVATSSASSMDLVANNH 397
DB	301 KHNVDVSVSSGFTGLGVEKYWQIRALRRAGIPMVVATGNTVATSSASSMDLVANNH 360
QY	398 LKMTDGTNVTPTAAHEDAIIVASAKNQTEVFPDKVNGESFRRNIGAFEDSKITTND 457
DB	361 LKMTDGTNVTPTAAHEDAIIVASAKNQTEVFPDKVNGESFRRNIGAFEDSKITTND 420
QY	458 GTRKAPSKLKFVYIGKQDDDLGLDRGLIAVMDRTYTDLKNAFKAKMDKARALMVYN 517
DB	421 GTRKAPSKLKFVYIGKQDDDLGLDRGLIAVMDRTYTDLKNAFKAKMDKARALMVYN 480
QY	518 TVNYVNRDMWTELPAWGYEADDEGTSQVFSISGDDCVKLMMNINPDKTEVRRNNKEDPK 577
DB	481 TVNYVNRDMWTELPAWGYEADDEGTSQVFSISGDDCVKLMMNINPDKTEVRRNNKEDPK 540
QY	578 DKLEQYYPIDMESFNKPNVGVDEKIDFKFAPDIDKELKYKEDIIVPAGSTMGPRIDL 637
DB	541 DKLEQYYPIDMESFNKPNVGVDEKIDFKFAPDIDKELKYKEDIIVPAGSTMGPRIDL 600
QY	638 LKPDVSAFGKNTKSTLVNINIGKSTYGY 664
DB	601 LKPDVSAFGKNTKSTLVNINIGKSTYGY 627